



#30 54  
12/19/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Attn: **BOX RCE**  
Mitsuaki OSHIMA et al. : Docket No. 2000\_1307  
Serial No. 09/667,525 : Group Art Unit 2634  
Filed September 21, 2000 : Examiner Amanda Le  
COMMUNICATION SYSTEM : **Confirmation No. 8400**

**RECEIVED**  
SEP 15 2003  
Technology Center 2600

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Patentees request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. .

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, or

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

**and thus no certification and/or fee is required.**

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

**the certification of paragraph 2 below is provided, and**

**the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.**

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:

a. ☐ a full or partial English language translation submitted herewith,

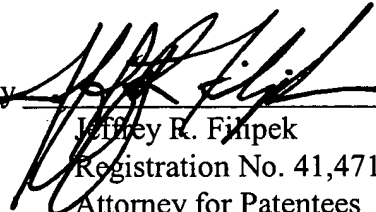
- b. ☐ a foreign patent office search report (in the English language) submitted herewith,
- c. ☐ the concise explanation contained in the specification of the present application at page,
- d. ☒ the concise explanation set forth in the attached English language abstract,
- e. ☒ the concise explanation set forth below or on a separate sheet attached to the reference:

Japanese Patent No. 3-69295 corresponds to U.S. Patent No. 5,128,758  
Japanese Patent No. 2-260726 corresponds to U.S. Patent No. 5,038,402

5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Mitsuaki OSHIMA et al.

By   
Jeffrey R. Filipek  
Registration No. 41,471  
Attorney for Patentees

JRF/fs  
Washington, D.C. 20006-1021  
Telephone (202) 721-8200  
Facsimile (202) 721-8250  
September 10, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: September 10, 2003

ATTY DOCKET NO.  
2000\_1307SERIAL NO.  
09/667,525APPLICANT  
Mitsuaki OSHIMA et al.

RECEIVED

FILING DATE  
September 21, 2000GROUP  
2634

SEP 15 2003

## U.S. PATENT DOCUMENTS

Technology Center 2600

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,128,758	7-7-92	Azadegan et al.			
	AB	5,038,402	8-6-91	Robbins			
	AC	5,638,112	6-10-97	Bestler et al.			
	AD	5,063,445	11-5-91	Nishizawa et al.			
	AE	5,819,000	10-6-98	Oshima			
	AF	5,999,569	12-7-99	Oshima			
	AG	5,892,879	4-6-99	Oshima			
	AH	6,049,651	4-11-00	Oshima			
	AI	6,256,357	7-3-01	Oshima			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ	3-69295	3-25-91	Japan				X
	AK	2-260726	10-23-90	Japan				X
	AL	58-161427	9-26-83	Japan			abstract	
	AM	57-39629	3-4-82	Japan			abstract	
	AN	58-161547	9-26-83	Japan			abstract	

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: September 10, 2003

ATTY DOCKET NO.  
2000\_1307SERIAL NO.  
09/667,525

RECEIVED

APPLICANT  
Mitsuaki OSHIMA et al.

SEP 15 2003

FILING DATE  
September 21, 2000GROUP  
2634

Technology Center 2600

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,170,413	12-8-92	Hess et al.			
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH	63-180222	7-25-88	Japan			abstract
	AI	2-94814	4-5-90	Japan			abstract
	AJ	61-70861	4-11-86	Japan			abstract
	AK	2-218279	8-30-90	Japan			abstract
	AL	2,095,435	5-10-92	Canada			X
	AM	91/20137	12-26-91	WO			X
	AN	92/22162	12-10-92	WO			X

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	
	AP	
	AQ	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.